

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of:

Mordechay Beyar

Group Art Unit: Unknown

Serial No.: Unknown

Filed: December 27, 2001

Examiner: Unknown

For: Medical Sling Procedures and Anchor Insertion Methods and Devices

**PRELIMINARY AMENDMENT**

Commissioner of Patents  
USPTO, Box Patent Application  
P.O. Box 2327  
Arlington, VA 22202

Dear Sir:

Prior to a first action on the merits, please amend the application as follows:

**In the Specification:**

On page 1. after "Related Applications" please replace the full paragraph with:

This is a continuation of U.S. Application No. 09/994,276 filed on November 26, 2001 which is a continuation of U.S. Patent Application No. 09/287,867, filed April 7, 1999 which is a continuation-in-part of U.S. Patent Application No. 08/733,798, filed October 18, 1996 (now U.S. Pat. No. 5,972,000); which is a continuation-in-part of U.S. Patent Application 08/622,598, filed March 26, 1996 (now U.S. Pat. No. 5,807,403); which is a continuation of U.S. Pat. Appl. No. 08/150,517; filed Nov. 10, 1993 (now U.S. Pat. No. 5,520,700); which claims priority to Israeli Patent Application No. 103,737, filed November 13, 1992. The present application also claims priority to Israeli Patent Application No. 127,978, filed January 8, 1999, U.S. Application No. 60/012,205 filed February 23, 1996 and U.S. Provisional Patent Application No. 60/005,348, filed October 18, 1995. The present application claims all domestic and foreign priority benefits of these prior applications, all of which are fully incorporated herein by reference.

A version marked up to show changes made to the specification relative to the previous version of the specification is attached.

1004959-2201  
T0422T-654507

**In the Claims:**

Please cancel claims 1-4 without prejudice.

Please add new claims 5-24:

5. (New) A device for securing a suture to a suture attachment site in a patient comprising:

a body having a suture entrance and a suture exit;

a motive suture delivery mechanism disposed within said body; and,

said motive suture delivery mechanism including a sensory feedback element indicative of delivery of said suture to said suture attachment site.

6. (New) A device according to claim 5, wherein said sensory feedback element is an audible tone.

7. (New) A device according to claim 6, wherein said audible tone is a changing audible tone.

8. (New) A device according to claim 7, wherein said changing audible tone is generated by said motive suture delivery mechanism.

9. (New) A device according to claim 8 wherein said motive suture delivery mechanism includes a battery powered motor.

10. (New) A device according to claim 5 wherein the body is sized and shaped to anchor the suture on a posterior portion of a patient's pubic bone.

11. (New) A device according to claim 5, wherein said sensory feedback element is a visual indicator.

12. (New) A device according to claim 11, wherein said visual indicator includes cessation of twisting of said suture.

13. (New) A method of securing a suture to a suture attachment site in a patient comprising:

identifying a suture attachment site in said patient;

directing said suture proximate to said site;

initiating delivery of said suture to said site;

awaiting sensory indication of delivery of said suture to said suture attachment site;

discontinuing said delivery of said suture upon receiving said sensory indication.

14. (New) A method as set forth in claim 13, wherein said receiving of said sensory indication includes receiving an audible tone.

15. (New) A method as set forth in claim 13, wherein said receiving of said sensory indication includes receiving a change in said audible tone.

16. (New) A method as set forth in claim 13, wherein said receiving of said sensory indication includes observing a visual indicator.

17. (New) A method as set forth in claim 16, wherein said receiving of said sensory indication includes observing a substantial cessation of suture twisting.

18. (New) A device for delivering a bone anchor with an associated suture to a patient, the device comprising:

a body that is sized and shaped to deliver the anchor and associated suture to a posterior portion of a patient's pubic bone through a vaginal incision,

the device having a suture entrance and a suture exit;

a bone anchor delivery mechanism associated with said body; and,

the device including a sensory feedback element indicative of delivery of said bone anchor with associated suture to the posterior portion of the patient's pubic bone.

19. (New) A device according to claim 18, wherein the bone anchor includes a bone screw.

20. (New) A device according to claim 18, wherein said sensory feedback element is an audible tone.
21. (New) A device according to claim 20, wherein said audible tone is a changing audible tone.
22. (New) A device according to claim 21, wherein said changing audible tone is generated by said bone anchor delivery mechanism.
23. (New) A device according to claim 18, wherein said sensory feedback element is a visual indicator.
24. (New) A device according to claim 23, wherein said visual indicator includes cessation of twisting of said suture.

A version marked up to show changes made to the claims relative to the previous version of the claims is attached.

### Remarks

Claims 1-4 are deleted. Claims 5-24 have been added. Claims 5-24 are pending.  
 Examination and consideration of the application as amended is requested.  
 Consideration and allowance of the application are requested.

Registration Number 34,109	Telephone Number 952-930-6135
Date December 27, 2001	

Respectfully submitted,

By Jeffrey J. Hohenshell  
 Jeffrey J. Hohenshell

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**Version With Markings to Show Changes Made**

Page 1, after "Related Applications":

The present application claims the priority of U.S. Patent Application No. 08/733,798, filed October 18, 1996 (pending); the priority of U.S. Patent Application No. 08/622,598 filed March 26, 1996 (patented and issued as U.S. Patent No. 5,807,403 on September 15, 1998), the priority of U.S. Patent Application No. 08/150,517 filed on November 10, 1993 (patented, and issued as U.S. Patent No. 5,520,700 on May 28, 1996); the priority of Israeli Patent Application No. 103737, filed November 13, 1992; the priority of U.S. Provisional Application No. 60/012,205, filed February 23, 1996; and the priority of U.S. Provisional Patent Application No. 60/005,348, filed October 18, 1995; and the priority of Israeli Patent Application No. 127,978, filed January 8, 1999. . The present application claims all domestic and foreign priority benefits of these prior applications, all of which are fully incorporated herein by reference.

This is a continuation of U.S. Application No. 09/994,276 filed on November 26, 2001 which is a continuation of U.S. Patent Application No. 09/287,867, filed April 7, 1999 which is a continuation-in-part of U.S. Patent Application No. 08/733,798, filed October 18, 1996 (now U.S. Pat. No. 5,972,000); which is a continuation-in-part of U.S. Patent Application 08/622,598, filed March 26, 1996 (now U.S. Pat. No. 5,807,403); which is a continuation of U.S. Pat. Appl. No. 08/150,517; filed Nov. 10, 1993 (now U.S. Pat. No. 5,520,700); which claims priority to Israeli Patent Application No. 103,737, filed November 13, 1992. The present application also claims priority to Israeli Patent Application No. 127,978, filed January 8, 1999, U.S. Application No. 60/012,205 filed February 23, 1996 and U.S. Provisional Patent Application No. 60/005,348, filed October 18, 1995. The present application claims all domestic and foreign priority benefits of these prior applications, all of which are fully incorporated herein by reference.

Please delete claims 1-4 without prejudice.

Add the following new claims:

5. A device for securing a suture to a suture attachment site in a patient comprising:  
a body having a suture entrance and a suture exit;  
a motive suture delivery mechanism disposed within said body; and,  
said motive suture delivery mechanism including a sensory feedback element  
indicative of delivery of said suture to said suture attachment site.
6. A device according to claim 5, wherein said sensory feedback element is an audible  
tone.
7. A device according to claim 6, wherein said audible tone is a changing audible tone.
8. A device according to claim 7, wherein said changing audible tone is generated by  
said motive suture delivery mechanism.
9. A device according to claim 8 wherein said motive suture delivery mechanism  
includes a battery powered motor.
10. A device according to claim 5 wherein the body is sized and shaped to anchor the  
suture on a posterior portion of a patient's pubic bone.
11. A device according to claim 5, wherein said sensory feedback element is a visual  
indicator.
12. A device according to claim 11, wherein said visual indicator includes cessation of  
twisting of said suture.
13. A method of securing a suture to a suture attachment site in a patient comprising:  
identifying a suture attachment site in said patient;  
directing said suture proximate to said site;

initiating delivery of said suture to said site;

awaiting sensory indication of delivery of said suture to said suture attachment site;

discontinuing said delivery of said suture upon receiving said sensory indication.

14. A method as set forth in claim 13, wherein said receiving of said sensory indication includes receiving an audible tone.

15. A method as set forth in claim 13, wherein said receiving of said sensory indication includes receiving a change in said audible tone.

16. A method as set forth in claim 13, wherein said receiving of said sensory indication includes observing a visual indicator.

17. A method as set forth in claim 16, wherein said receiving of said sensory indication includes observing a substantial cessation of suture twisting.

18. A device for delivering a bone anchor with an associated suture to a patient, the device comprising:

a body that is sized and shaped to deliver the anchor and associated suture to a posterior portion of a patient's pubic bone through a vaginal incision,

the device having a suture entrance and a suture exit;

a bone anchor delivery mechanism associated with said body; and,

the device including a sensory feedback element indicative of delivery of said bone anchor with associated suture to the posterior portion of the patient's pubic bone.

19. A device according to claim 18, wherein the bone anchor includes a bone screw.

20. A device according to claim 18, wherein said sensory feedback element is an audible tone.

21. A device according to claim 20, wherein said audible tone is a changing audible tone.

22. A device according to claim 21, wherein said changing audible tone is generated by said bone anchor delivery mechanism.

23. A device according to claim 18, wherein said sensory feedback element is a visual indicator.

24. A device according to claim 23, wherein said visual indicator includes cessation of twisting of said suture.

Page 6564607